Quiz (11) MCS 320 Jan Verschelde Friday 16 April 2004

NAME :

1. Give all MATLAB commands to compute the coefficients of the cubic polynomial p to fit the sine function over the interval $[0, 2\pi]$ using 21 samples.

   Give also the coefficients of that polynomial p.

2. Write a MATLAB function to implement the composition of two functions.

   Complete:

```
function y = compose(f,g,x)
%
%  returns f(g(x))
%
```

   Give is the MATLAB command to compute `sin(cos(3))`, using `compose`:

Alternative: Bring to class on Monday the printout of the file created with diary to solve assignments 1,3 of MATLAB Lecture 3; assignments 3,7 of MATLAB Lecture 4; and assignment 4 of MATLAB Lecture 5.